

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1895	257/355.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:13
L2	317	257/361.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:14
L3	0	H01L23/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:15
L4	242	H01L23/62.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:15
L5	87049	((bipolar near2 transistor) BJT) wells and dop\$3 and isolat\$3 and collector and emitter and base	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:25
L6	6836	5 and (@ad<"20030717" or @rlad<"20030717") and trigger\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 16:18
L8	10385	5 and (@ad<"20030717" or @rlad<"20030717") and (trigger\$3 initiat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 16:19
L9	0	6 and parasicti\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:19
L10	2080	6 and parasiti\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:19
L11	704	10 and ("ESD" or (electrostatic\$3 adj2 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 16:25
L12	14871	((bipolar near2 transistor) BJT) wells and dop\$3 and isolat\$3 and collector and emitter and base and (trigge\$3 initiat\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:26

## EAST Search History

L13	714	12 and parasiti\$3.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:26
L14	15	13 and ((deep\$3 buried) near2 well).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:28
L15	92	13 and (second near2 well).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 16:28
S1	1	"20050012155"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 15:56
S2	33	"5744842"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 12:43
S3	12	"6072219"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 12:44
S4	23	(S2 S3) and ((bipolar adj2 transistor) or "BJT") and ("ESD" or (electrostatic\$3 adj2 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 18:22
S5	22	S4 and (isolat\$3 or \$3oxide) and well	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 12:46
S7	17	S5 and substrate and parasitic\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:36
S8	12	("5717560"   "5744842"   "5910874"   "6011681"   "6072219"   "6144542"   "6385116"   "6628488"   "6665160"   "6671153"   "6690557"   "6730968").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 15:48
S9	4	("4829350"   "5543650"   "5615073"   "5811856").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 15:55
S10	9	("6072219").URPN.	USPAT	OR	ON	2005/10/14 15:57
S11	28	("20020033507"   "4805008"   "4855620"   "5043782"   "5086365"   "5239194"   "5374565"   "5495118"   "5539327"   "5581104"   "5631793"   "5637900"   "5674761"   "5731614"   "5818088"   "5874763"   "5898206"   "6034552"   "6057579"   "6072219"   "6097066"   "6306695"   "6320231"   "6323074"   "6420221"   "6469354"   "6559508"   "6566715").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 15:58
S12	2	("5744842"   "6072219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:01
S13	3	("6566715").URPN.	USPAT	OR	ON	2005/10/14 16:04

## EAST Search History

S14	1	("6566715").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:06
S16	3	("6566715").URPN.	USPAT	OR	ON	2005/10/14 16:07
S17	4	("5572294"   "5751042"   "5754380"   "5874763").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:08
S18	6	("6469354").URPN.	USPAT	OR	ON	2005/10/14 16:10
S19	12	("20020153570"   "20020163009"   "5811856"   "5852541"   "5949634"   "5982217"   "6072219"   "6140687"   "6249410"   "6399990"   "6465768"   "6465848").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:17
S20	3	("6114731"   "6191454"   "6204537").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:19
S21	12	("6399990").URPN.	USPAT	OR	ON	2005/10/14 16:20
S22	2	("5744842"   "6072219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:25
S23	3	("5255146"   "5440162"   "5450267").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:28
S24	25	("5744842").URPN.	USPAT	OR	ON	2005/10/14 16:28
S25	3	("6566715").URPN.	USPAT	OR	ON	2005/10/14 16:28
S26	9	("6072219").URPN.	USPAT	OR	ON	2005/10/14 16:29
S27	3	("5255146"   "5440162"   "5450267").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:32
S28	3	("6566715").URPN.	USPAT	OR	ON	2005/10/14 16:32
S30	191	ker-ming-dou.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:37
S31	12	chuang-che-hao.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:37
S32	191	S30 S31	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:37
S34	168	S32 not (S8 S9 S10 S11 S12 S13 S14 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:38
S35	72	S34 and ((bipolar adj2 transistor) or "BJT") and ("ESD" or (electrostatic\$3 adj2 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:39
S36	29	S35 and substrate and well and collector and base and emitter	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:49
S37	29	S36 and ((bipolar adj2 transistor) or "BJT") and ("ESD" or (electrostatic\$3 adj2 discharg\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 16:39

## EAST Search History

S38	5	("5932918"   "5946177"   "6140682"   "6327126"   "6657835"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:46
S40	10	(US-20050012155-\$).did. or (US-6671153-\$ or US-6072219-\$ or US-5811856-\$ or US-6566715-\$ or US-5744842-\$ or US-6670678-\$ or US-6399990-\$ or US-6767810-\$ or US-6903913-\$).did.	US-PGPUB; USPAT	OR	ON	2005/10/14 18:58
S43	4	"6566715"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 17:48
S45	1227	((bipolar adj2 transistor) or "BJT") and ("ESD" or (electrostatic\$3 adj2 discharg\$3)) and parasitic and well	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 16:20
S46	869	S45 and (trigger\$3 or initia\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:47
S47	561	S46 and substrate and (common or shar\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:49
S48	367	S47 and substrate and well and collector and base and emitter	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:49
S49	138	S48 and ((common or shar\$4) with (emitter or base))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:49
S50	10	(US-20050012155-\$).did. or (US-6671153-\$ or US-6072219-\$ or US-5811856-\$ or US-6566715-\$ or US-5744842-\$ or US-6670678-\$ or US-6399990-\$ or US-6767810-\$ or US-6903913-\$).did.	US-PGPUB; USPAT	OR	ON	2005/10/14 19:50
S51	137	S49 not S50	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:51
S52	191	ker-ming-dou.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:56
S53	12	chuang-che-hao.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:56
S54	191	S52 S53	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:56
S55	136	S51 not S54	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 19:56

## EAST Search History

S56	2	((("6449299") or ("5282211"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/14 20:07
S57	255	("ESD" or (electrostatic\$3 adj2 discharg\$3)) and ((shar\$3 or common\$2) near2 (base or emitter)) and substrate and well and (@ad<"20030717" or @rlad<"20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/10 12:19
S58	132	S57 and ((bipolar near3 transistor) or "BJT")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/10 12:19
S59	67	S58 and (isolat\$3 and contact\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/10 12:20
S60	58	S59 and (protect\$3 near2 circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/10 12:20
S61	4	"6348724"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/10 14:19
S62	3	("5255146"   "5440162"   "5450267").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 15:54
S63	28	("5744842").URPN.	USPAT	OR	ON	2006/03/10 15:55
S64	2	("5744842"   "6072219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/13 12:55
S65	5	("6566715").URPN.	USPAT	OR	ON	2006/03/13 12:56
S66	37	"5744842"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/13 15:24
S67	19	S66 and ((bipolar adj2 transistor) or "BJT") and ("ESD" or (electrostatic\$3 adj2 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/03/13 15:24
S68	3	("5255146"   "5440162"   "5450267").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/13 15:28
S69	28	("5744842").URPN.	USPAT	OR	ON	2006/03/13 15:28
S70	1	("2004/0164354").URPN.	USPAT	OR	ON	2006/08/10 17:28
S71	8	("20040164354"   "5158899"   "5932914"   "6303964"   "6399990"   "6424013"   "6630719"   "6855611").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 17:29
S72	0	("7053452").URPN.	USPAT	OR	ON	2006/08/10 17:47
S73	6754	257/197,512,517,525,526,547,548,549,552,565,566,574,e21.068,e21.096,e27.053,e27.055,e27.061,e27.063,e27.065,e27.066,e27.067,e29.174.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 18:21

## EAST Search History

S74	2815	S73 and ((bipolar adj2 transistor) or "BJT")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 19:26
S75	104	S74 and ("ESD" or (electrostatic\$3 adj2 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 18:22
S76	46	S75 and (isolat\$4 with substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 18:22
S77	43	S76 and (@ad<"20030717" or @rlad<"20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/03/02 16:18
S78	32	S77 and parasitic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 19:26
S79	1	("2004/0164354").URPN.	USPAT	OR	ON	2006/08/10 19:23
S80	8	("20040164354"   "5158899"   "5932914"   "6303964"   "6399990"   "6424013"   "6630719"   "6855611").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:23
S81	324	("ESD" or (electrostatic\$3 adj2 discharg\$3)) and (parasitic with ((bipolar adj2 transistor) or "BJT")) and (isolat\$4 with substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 19:27
S82	4	S81 and (buried with float\$4) and (@ad<"20030717" or @rlad<"20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 19:36
S83	7	("5874763"   "6388292"   "6424013"   "6433979"   "6441438"   "6624487"   "6864536").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:32
S85	249	(S81 not (S82 S83)) and (@ad<"20030717" or @rlad<"20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 19:36
S86	61	S85 and float\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 19:37
S87	42	S86 and (collector and base)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/10 19:37
S88	5	("5932918"   "5946177"   "6140682"   "6327126"   "6657835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 20:08
S89	1	10/727550	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 20:25

## EAST Search History

S90	19	S86 not S87	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 20:25
S91	2	("5744842"   "6072219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 20:41